

Fig. 1

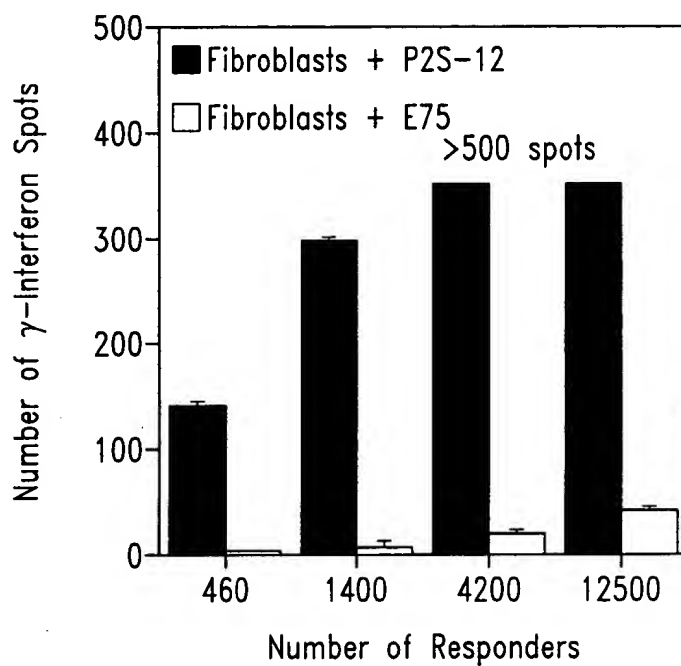


Fig. 2A

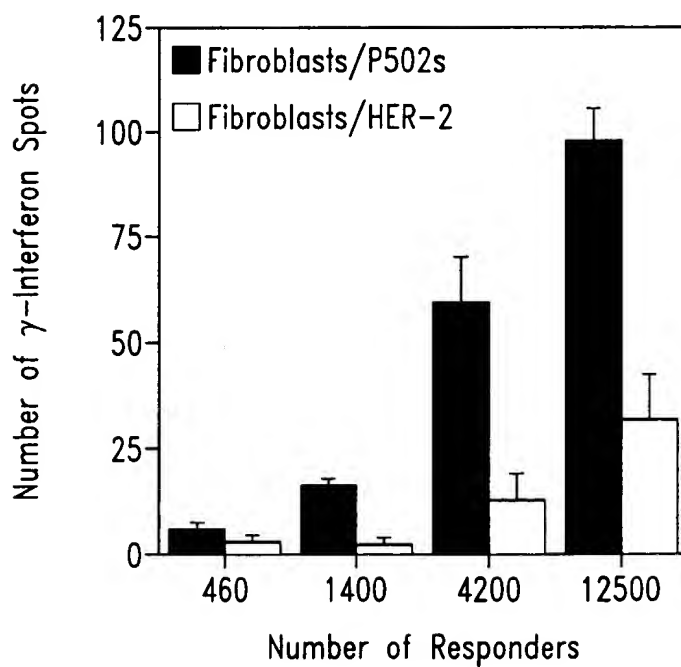


Fig. 2B

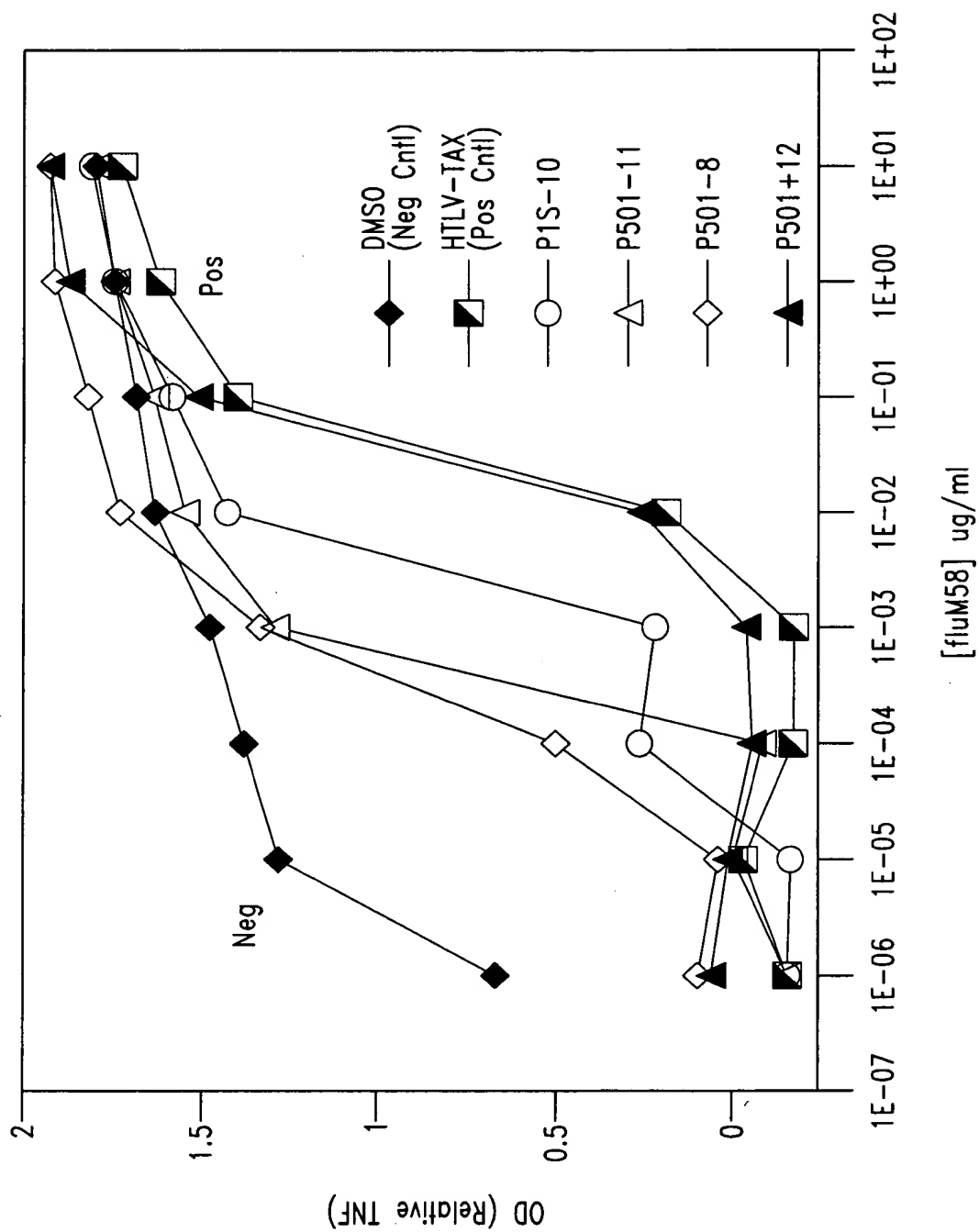


Fig. 3

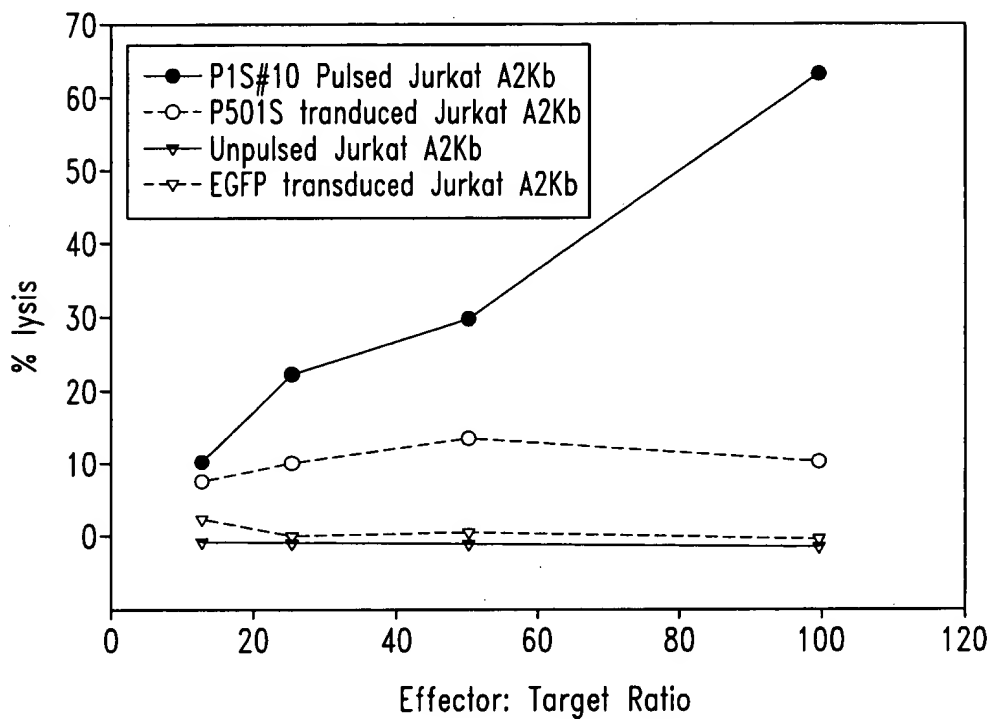


Fig. 4

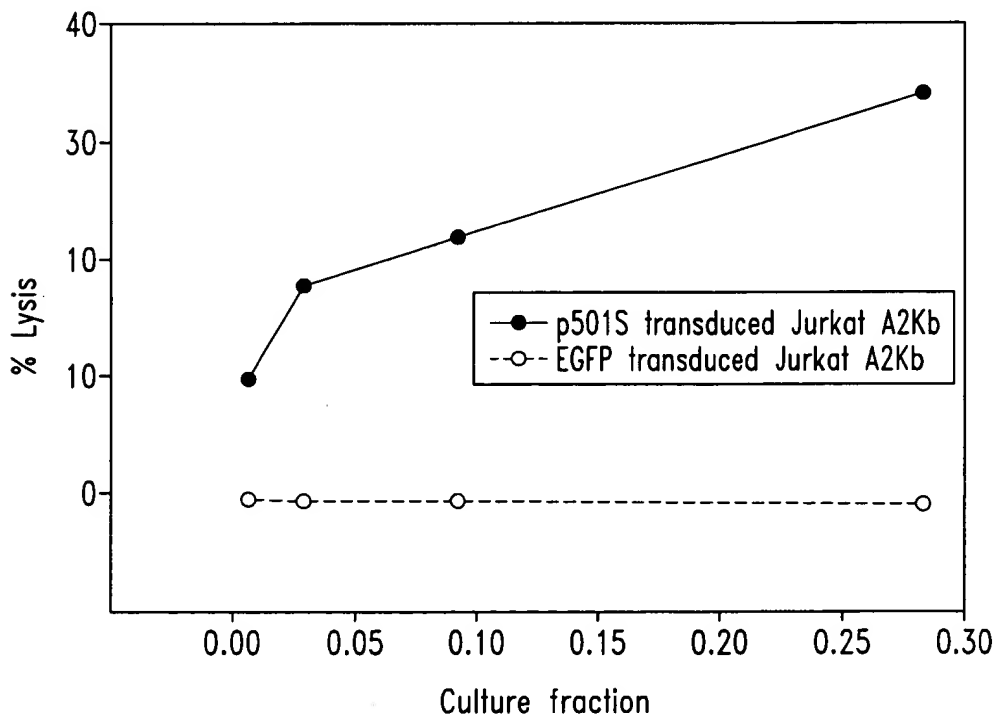


Fig. 5

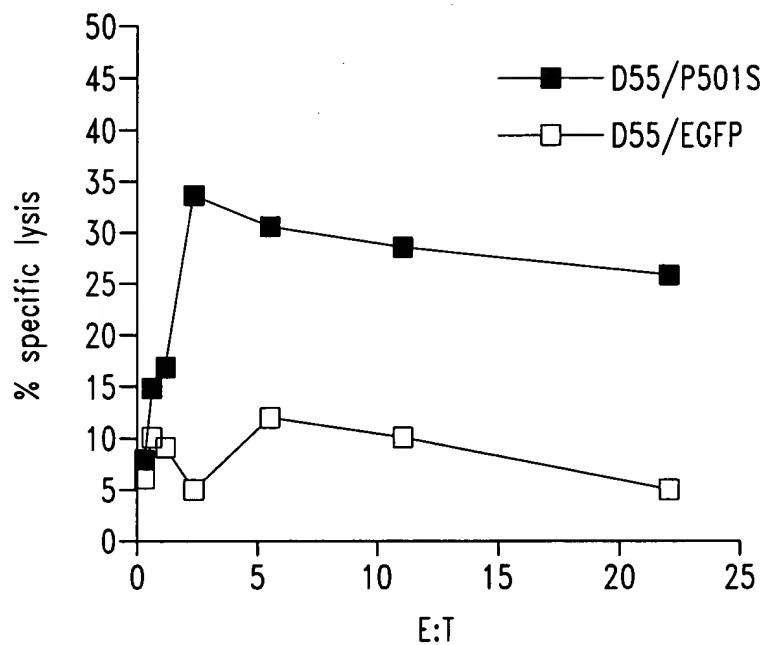


Fig. 6A

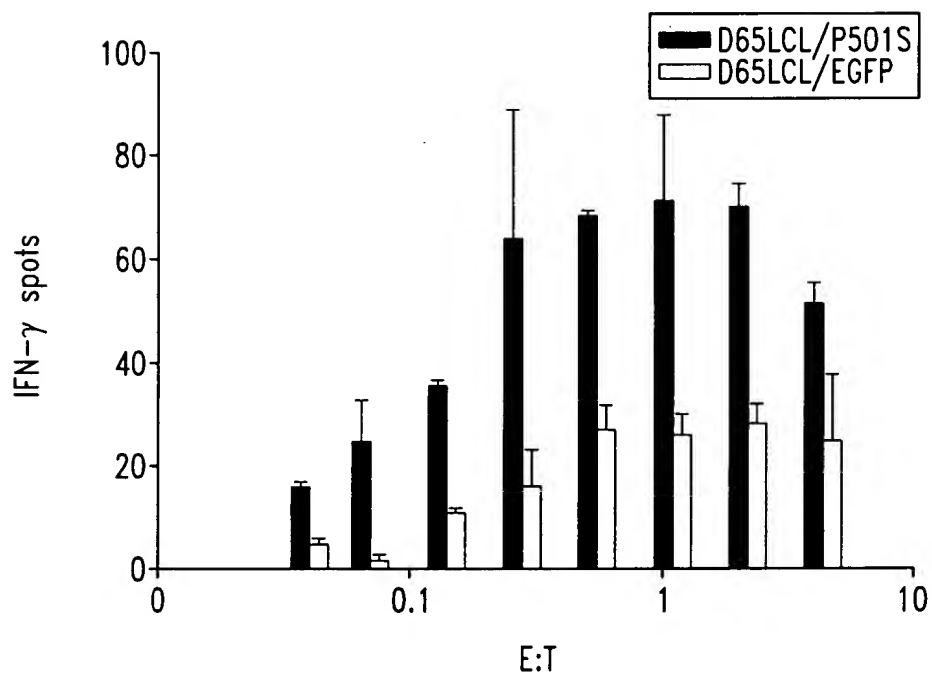
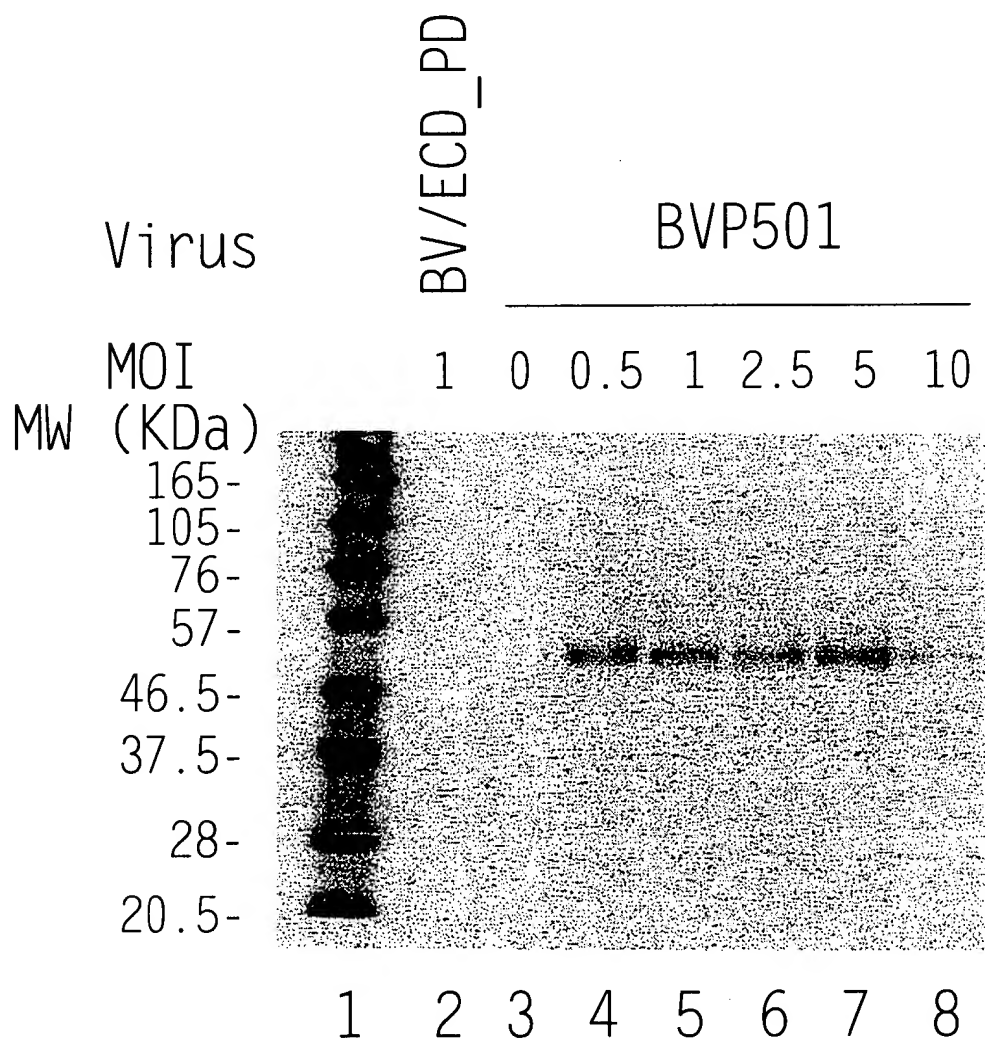


Fig. 6B



Expression of P501S by the Baculovirus Expression System



C 6 million high 5 cells in 6-well plate were infected with an unrelated control virus BV/ECD_PD (lane2), without virus (lane3), or with recombinant baculovirus for P501 at different MOIs (lane 4-8). Cell lysates were run on SDS-PAGE under the reducing conditions and analyzed by Western blot with a monoclonal antibody against P501S (P501S-10E3-G4D3). Lane 1 is the biotinylated protein molecular weight marker (BioLabs).

FIGURE 8. Mapping of the epitope recognized by 10E3-G4-D3

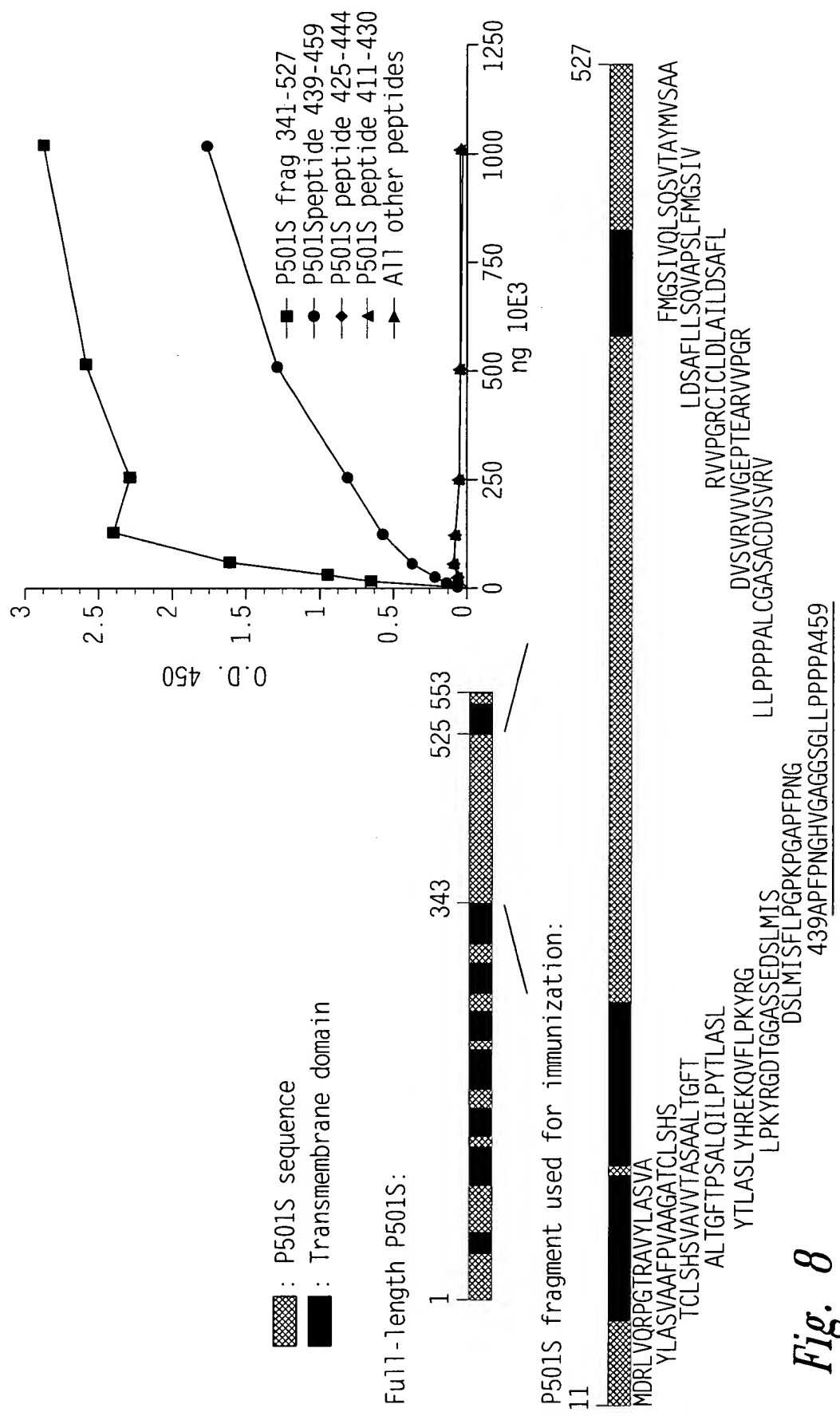


Fig. 8



Schematic of P501S with predicted
transmembrane, cytoplasmic, and extracellular regions

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TMVLGIGPVLGLVCYPLLGSAS

DHWRGRYGRRRP FIWALSLGILLSLFLIPRAGWL **AGLLCPDPRPLE** LALLILGVGLLDFCGQVCFTPL

EALLSDLFRDPDHCRC AYSVYAFMISLGGCLGYLLPAI **DWDTSALAPYLGTQEE**

CLFGLLTLIFLTCAATLLV *AEEAALGPTEPAEGLSAPSLSPHCCPCRARLAFRNLGALLPRL*

HQLCCRMPTLRR LFVAELCSWMALMTFTLFYTDF **VGEGLYQGVPRAPGTEARRHYDEGVR**

MGSLGLFLQCAISLVFSLVM *DRLVQRFGTRAVYLAS* VAAFPVAAGATCLSHSVAVVTA **SAA**

LTGFTFSALQILPYTLASLY *HREKQVFLPKYRGDTGGASSEDSLMTSFLPGPKPGAPFPNGHVGAGGSGL*

LPPPPALCGASACDVSVRVVVGEPTEARVVPGRG ICLDLAILDSAFLLSQVAPSLF **MGSIVQLSQS**

VTAYMVSAAAGLGLVAIYFAT *QVVFDKSDLAKYSA*

Underlined sequence: Predicted transmembrane domain; **Bold sequence**:
Predicted extracellular domain; *Italic sequence*: Predicted intracellular
domain. Sequence in bold/underlined: used generate polyclonal rabbit
serum

Localization of domains predicted using HMMTOP (G.E. Tusnady and I. Simon
(1998) Principles Governing Amino Acid Composition of Integral Membrane
Proteins: Applications to topology Prediction. J. Mol Biol. 283, 489-506.

Fig. 9



Genomic Map of (5) Corixa Candidate Genes

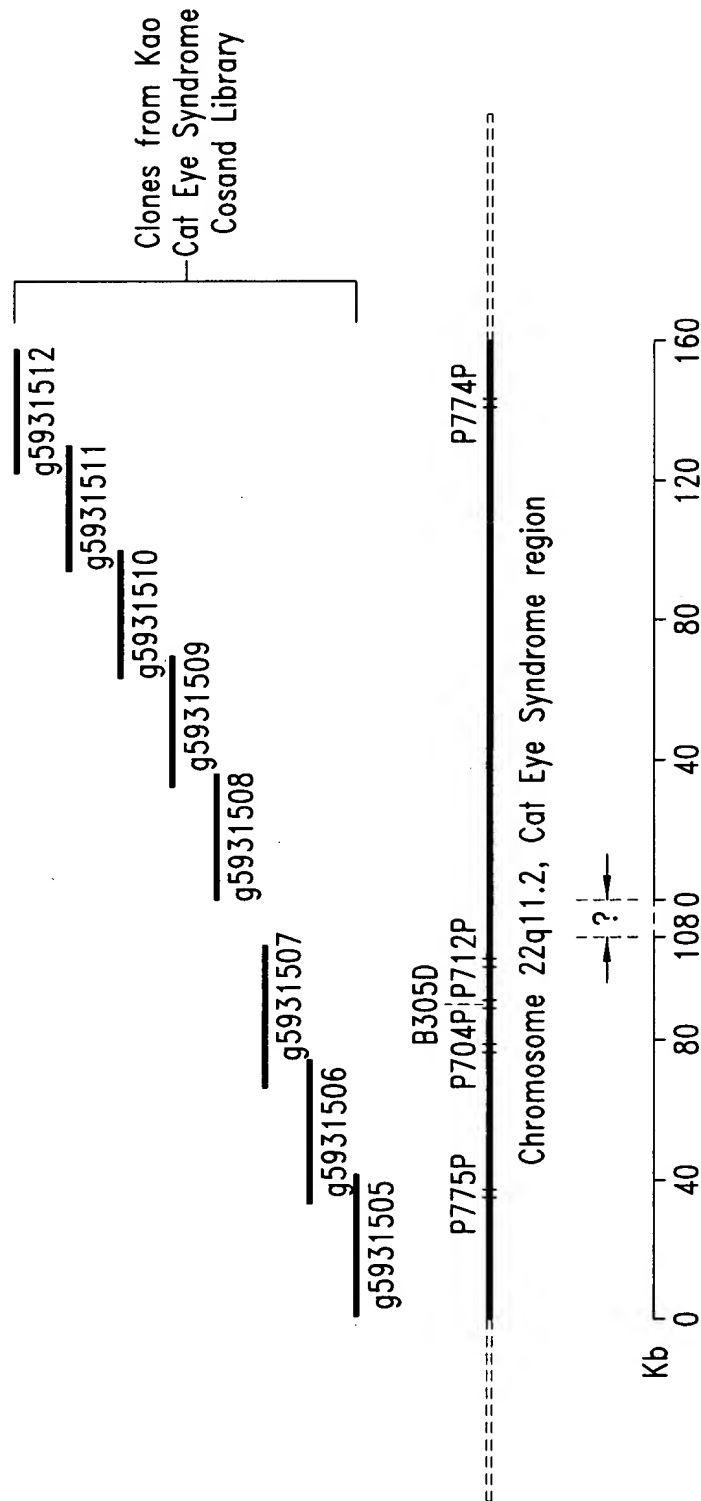


Fig. 10

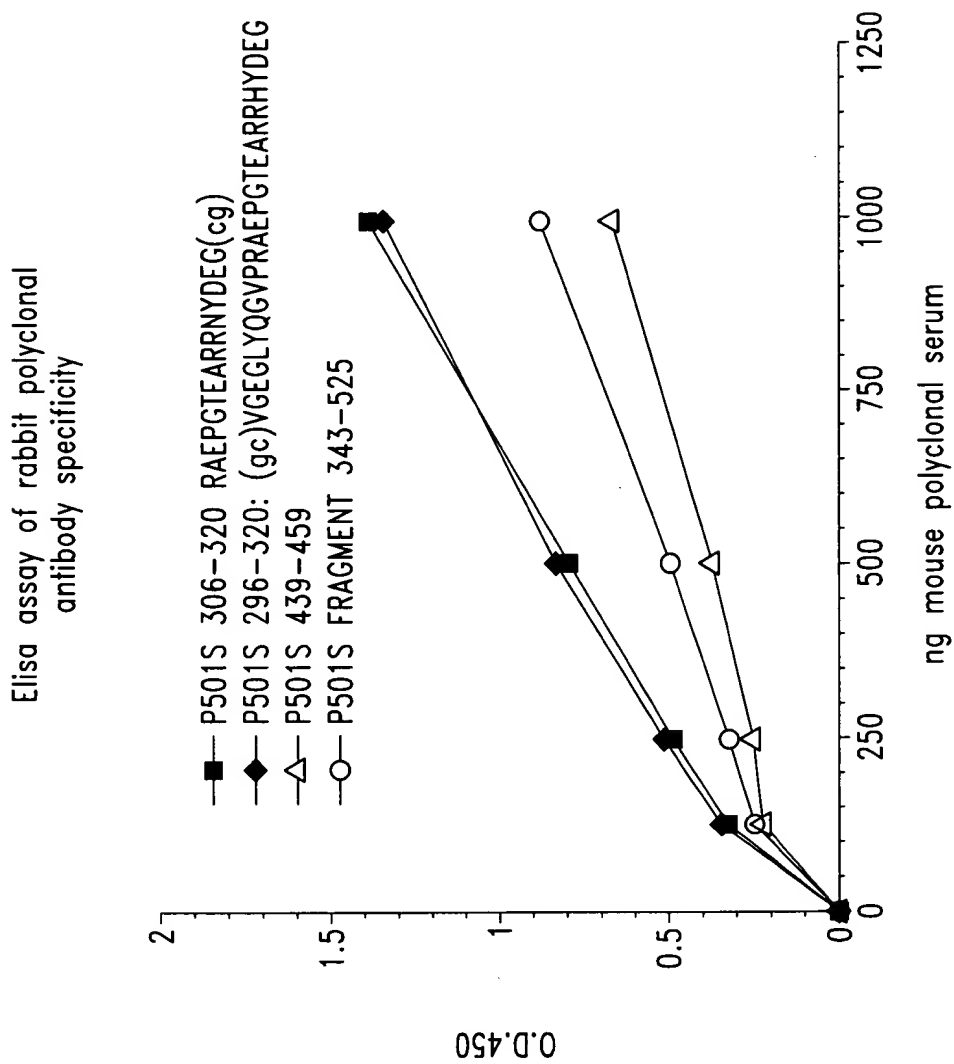


Fig. 11



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CAGCACATGG	AAGGCACCCA	GATCAACCAA	AGTGAGAAAT	GGAACTACAA	GAAACACACC	300
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CACTGGCACC	TGAAAACACC	CAACCTGGTC	ATTTCTGTGA	CCGGGGGCGC	CAAGAACTTC	480
GCCCTGAAGC	CGCGCATGCG	CAAGATCTTC	AGCCGGCTCA	TCTACATCGC	GCAGTCCAAA	540
GGTGCTTGGA	TTCTCACGGG	AGGCACCCAT	TATGGCCTGA	CGAAGTACAT	CGGGGAGGTG	600
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Fig. 12A (2)

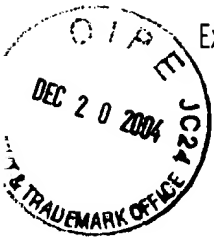


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Inventor(s): Jiangchun Xu et al.

Express Mail No. EV529782015US "REPLACEMENT SHEET"



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Fig. 12B